	Document ID	Current OR	Current XRef	2	3	4	5
13	US 5408562 A	385/112	385/110; 385/113	☒	☐	☐	☐
14	US 5179611 A	385/110	385/109; 385/112; 385/113; 523/173	☒	☐	☐	☐
15	US 5013126 A	385/103	523/173	☐	☐	☐	☐
16	US 4389088 A	385/111	385/105; 385/107	☐	☐	☐	☐
17	US 5469523 A	385/101	385/109	☒	☒	☐	☐
18	US 4329018 A	385/106	385/104; 385/114	☒	☒	☐	☐
19	US 200201365 13 A1	385/113	385/110	☒	☐	☐	☐
20	US 6591046 B2	385/103	385/100; 385/102; 385/104; 385/106; 385/107	☒	☐	☐	☐
21	US 5848212 A	385/111	385/110; 385/112; 385/113; 385/114	☒	☐	☐	☐
22	US 4038489 A	174/70R	174/10; 174/115; 385/109; 385/111; 385/113	☐	☐	☐	☐
23	US 4801192 A	385/101	385/103; 385/104	☒	☐	☐	☐
24	US 6564831 B1	138/115	138/118; 138/DIG.11	☒	☐	☐	☐
25	US 6102077 A	138/115	138/148	☒	☐	☐	☐

	Document ID	Current OR	Current XRef	2	3	4	5
1	US 6463960 B1	138/98	138/115; 174/47	☒	☒	☐	☐
2	US 6311730 B1	138/98	138/114; 138/115; 138/97; 156/287; 174/47; 264/269; 405/150.1	☒	☐	☐	☐
3	US 5305798 A	138/98	138/104; 138/97; 264/269; 29/402.09; 405/184.1; 405/184.2	☐	☐	☐	☐
4	US 4368348 A	174/47	138/111; 174/97	☐	☐	☐	☐
5	US 4064355 A	174/47	138/115; 138/122; 264/171.16; 264/172.1; 428/35.8	☐	☐	☐	☐
6	US 4804020 A	138/111	138/112; 138/114; 385/112; 385/136	☒	☒	☐	☐

	Document ID	Current OR	Current XRef	2	3	4	5
26	US 6046404 A	174/47	138/111; 138/112; 174/27; 174/28	☐	☐	☐	☐
27	US 5677974 A	385/101	385/109; 385/113; 385/114	☐	☐	☐	☐

	Document ID	Current OR	Current XRef	2	3	4	5
7	US 4015366 A	47/1.43	137/236.1; 137/386; 137/79; 138/111; 193/25E; 198/570; 209/173; 239/210; 239/69; 239/727; 239/745; 348/143; 382/110; 47/2; 47/DIG.6; 56/237; 56/328.1; 700/14; 700/283; 700/30; 700/67; 700/90; 702/2	☒	☒	☐	☐
8	US 20010028773 A1	385/109	385/110; 385/114	☒	☒	☐	☐
9	US 6519396 B2	385/101	174/70R; 385/147	☒	☒	☐	☐
10	US 6496628 B1	385/110	385/103; 385/114	☒	☒	☐	☐
11	US 6195486 B1	385/100	385/103; 385/107	☐	☐	☐	☐
12	US 5689601 A	385/100	385/122; 385/128; 524/494; 65/443	☐	☐	☐	☐

L Number	Hits	Search Text	DB	Time stamp
1	1905	(((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.	USPAT; US-PGPUB	2003/10/29 14:30
2	15667	transmission near3 cable	USPAT; US-PGPUB	2003/10/29 14:30
3	114293	optical and fiber	USPAT; US-PGPUB	2003/10/29 14:30
4	127094	(optical and fiber) or "fiber optic"	USPAT; US-PGPUB	2003/10/29 14:31
5	661846	tube	USPAT; US-PGPUB	2003/10/29 14:31
7	42	(((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (optical and fiber)	USPAT; US-PGPUB	2003/10/29 14:31
9	583	(((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube	USPAT; US-PGPUB	2003/10/29 14:31
10	9	((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) and ((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))	USPAT; US-PGPUB	2003/10/29 14:32
11	6	(((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) and ((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))) and ((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube)	USPAT; US-PGPUB	2003/10/29 14:39
12	5	("4064355" | "4368348" | "5172730" | "5305798" | "6311730").PN.	USPAT	2003/10/29 14:32
13	19	("3039698" | "3200539" | "3200575" | "3235009" | "3269099" | "3330068" | "3578245" | "3584442" | "3590335" | "3596455" | "3613308" | "3626286" | "3635004" | "3721254" | "3728254" | "3777976" | "3785564" | "3844305" | "3905153").PN.	USPAT	2003/10/29 14:35
14	1428	385/134	USPAT; US-PGPUB	2003/10/29 14:39
15	1186	((385/134) or (385/101) or (385/106) or (385/110)).CCLS.	USPAT; US-PGPUB	2003/10/29 14:40
16	177	(transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)	USPAT; US-PGPUB	2003/10/29 14:40
17	1049	((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)	USPAT; US-PGPUB	2003/10/29 14:40
18	457	tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)	USPAT; US-PGPUB	2003/10/29 14:40
19	405	(((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))	USPAT; US-PGPUB	2003/10/29 14:40
20	75	((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and ((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)))	USPAT; US-PGPUB	2003/10/29 14:47
21	6	("4557560" | "4673247" | "4776665" | "5360497" | "5563976" | "5932149").PN.	USPAT	2003/10/29 14:42
22	4	("4770489" | "5098177" | "5621842" | "6195486").PN.	USPAT	2003/10/29 14:42
23	17	("3785048" | "4151365" | "4308662" | "4322574" | "4449014" | "4535098" | "4767894" | "4857242" | "5188883" | "5388175" | "5408562" | "5410901" | "5684904" | "5689601" | "5913004" | "5930431" | "5999676").PN.	USPAT	2003/10/29 14:43
24	6	("4389088" | "4401366" | "4671611" | "5013126" | "5179611" | "5222177").PN.	USPAT	2003/10/29 14:43

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25	330	((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))) not (((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and ((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))))	USPAT; US-PGPUB	2003/10/29 14:58
26	19	("1157208" | "3660590" | "3748371" | "3812282" | "4038489" | "4237337" | "4365865" | "4552432" | "4654520" | "4695127" | "4695128" | "4731505" | "4787705" | "4805981" | "4812014" | "4844575" | "4859024" | "4890898" | "4952020").PN.	USPAT	2003/10/29 14:56
27	405	((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))) or (((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and ((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))))	USPAT; US-PGPUB	2003/10/29 14:59
28	644	(((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) not (((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))) or (((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and ((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)))))	USPAT; US-PGPUB	2003/10/29 14:59
6	19	(((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)	USPAT; US-PGPUB	2003/10/29 15:01
8	69	(((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic")	USPAT; US-PGPUB	2003/10/29 15:06
29	14	("0417992" | "2161666" | "3110754" | "3889715" | "3941157" | "4273065" | "4343844" | "4474426" | "4496823" | "4729409" | "5765598" | "5924456" | "6032699" | "6102077").PN.	USPAT	2003/10/29 15:03
30	8	("3526086" | "3872893" | "4098333" | "4162865" | "4332509" | "4974408" | "5202076" | "5362921").PN.	USPAT	2003/10/29 15:03
31	79	(((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or ((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))	USPAT; US-PGPUB	2003/10/29 15:06
32	89	9not (((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or ((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic")))	USPAT; US-PGPUB	2003/10/29 15:06
33	534	(((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube) not (((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or ((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic")))	USPAT; US-PGPUB	2003/10/29 15:16
34	613	(((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube) or (((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or ((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic")))	USPAT; US-PGPUB	2003/10/29 15:17

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35	1016	((((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))) or (((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))))) or ((((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube) or ((((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or (((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))))	USPAT; US-PGPUB	2003/10/29 15:17
36	3085	(((385/134) or (385/101) or (385/106) or (385/110)).CCLS.) or ((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.)	USPAT; US-PGPUB	2003/10/29 15:17
37	2069	(((((385/134) or (385/101) or (385/106) or (385/110)).CCLS.) or ((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.)) not (((((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))) or (((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))))) or ((((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube) or ((((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or (((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic")))))	USPAT; US-PGPUB	2003/10/29 15:19
38	6	("3517110" | "3526086" | "4196307" | "4765711" | "5362921" | "5902958").PN.	USPAT	2003/10/29 15:40